

In the United States Patent & Trademark Office

#2
4/18/02

JCE28 U.S. PRO
10/071395
02/08/02

In re Application of:

Michael BELL

Examiner:

Serial No.: To be Accorded

Art Unit:

Filed: Herewith

Title: **Methods and Reagents for
Conducting Multiplexed Assays Of
Multiple Analytes**

Atty Dkt. No.: 2030-045

INFORMATION DISCLOSURE STATEMENT PURSUANT TO 37 CFR §§ 1.197(b)(1) AND 1.56

Assistant Commissioner of Patents
Washington, D.C. 20231

Sir:

In accordance with 37 CFR §§ 1.97 and 1.56, Applicant herewith submits the following Information Disclosure Statement. A copy of all cited documents are enclosed herewith.

This Information Disclosure Statement is being submitted within 3 months of the filing date of the present application. Accordingly, no fee is required for its consideration and for the consideration of the cited documents. The cited documents are:

Ref. No.	Patent No.	Patentee	Ref. No.	Patent No.	Patentee
AA1	4,185,084	Mochida, <i>et al.</i>	AB5	5,747,352	Yan, <i>et al.</i>
AB1	4,243,749	Sadeh, <i>et al.</i>	AC5	5,754,229	Elabd
AC1	4,313,734	Leuving	AD5	5,772,926	Akhavan-Tafti
AD1	4,373,932	Gribnau, <i>et al.</i>	AE5	5,811,526	Davidson
AE1	4,401,764	Smith	AA6	5,851,778	Oh, <i>et al.</i>
AA2	4,661,444	Li	AB6	5,965,736	Akhavan-Tafti
AB2	4,746,631	Clagett	AC6	5,976,822	Landrum, <i>et al.</i>
AC2	4,810,096	Russell, <i>et al.</i>	AD6	6,002,003	Shen <i>et al.</i>
AD2	5,198,670	VanCauter, <i>et al.</i>	AE6	6,045,727	Akhavan-Tafti, <i>et al.</i>
AE2	5,238,108	Velezis, <i>et al.</i>	AA7	6,045,991	Akhavan-Tafti
AA3	5,306,468	Anderson, <i>et al.</i>	AB7	6,090,571	Akhavan-Tafti, <i>et al.</i>
AB3	5,310,687	Bard, <i>et al.</i>	AC7	6,110,630	Reddy <i>et al.</i>
AC3	5,501,985	Baughner, <i>et al.</i>	AD7	6,139,782	Akhavan-Tafti, <i>et al.</i>
AD3	5,563,036	Peterson, <i>et al.</i>	AE7	6,165,796	Bell
AE3	5,627,080	Cheng, <i>et al.</i>	AA8	6,177,958	Anderson

AA4	5,633,141	Lee, <i>et al.</i>	AB8	6,212,291	Wang, <i>et al.</i>
AB4	5,648,213	Reddy, <i>et al.</i>	AC8	6,218,137	Akhavan-Tafti, <i>et al.</i>
AC4	5,679,309	Bell	AD8	6,270,695	Akhavan-Tafti, <i>et al.</i>
AD4	5,679,525	Peterson, <i>et al.</i>	AE8	6,281,021	Egger, <i>et al.</i>
AE4	5,691,147	Draetta, <i>et al.</i>	AA9	6,319,668	Nova <i>et al.</i>
AA5	5,698,411	Lucas, <i>et al.</i>			

AL1	EP 177,191	11/22/90	EUROPEAN
AM1	GB 2,084,317	4/7/82	UNITED KINGDOM
AN1	WO9926067A1	5/27/99	PCT

AR1 Alberts, B. *et al.*, Molecular Biology of the Cell, 2nd Edition. Garland Publishing, Inc. New York, pg 704.

AS1 Bass, D.A. *et al.* "Flow cytometric studies of oxidative product formation by neutrophils: a graded response to membrane stimulation." *J. Immunol.* 130: 1910-1917.

AT1 Bishop, J.E. *et al.*, "A Flow Cytometric Immunoassay For Beta2-Microglobulin In Whole Blood," *J Immunol. Meth.* 210:79-87 (1997).

AR2 Bode, W. *et al.*, 1989, "Human leukocyte and porcine pancreatic elastase: X-ray crystal structures, mechanism, substrate specificity and mechanism-based inhibitors," *Biochem.* 28: 1951-1963.

AS2 Chen, R. *et al.*, "Simultaneous Quantification of Six Human Cytokines in a Single Sample Using Microparticle-based Flow Cytometric Technology," *Clin Chem.* 45:1693-1694 (1999).

AT2 Coates, P.M. *et al.*, 1975, "A preliminary genetic interpretation of the esterase isozymes of human tissues," *Ann. Hum. Genet. Lond.* 39: 1-20.

AR3 Crockard, A. *et al.*, 1982, "Cytochemistry of acid hydrolases in chronic B- and T-cell leukemias," *Am. J. Clin. Pathol.* 78:437-444.

AS3 Ferrer-Lopez, P. *et al.*, "Heparin Inhibits Neutrophil-Induced Platelet Activation Via Cathepsin", *J. Lab Clin. Med.* 119(3), 231-239 (1992).

AT3 Fleischer, B., 1994, "CD26: a surface protease involved in T-cell activation," *Immunol. Today.* 15: 180-184.

AR4 Fowler A., *et al.*, "A multi-modality assay platform for ultra-high throughput screening," *Curr. Pharm. Biotechnol.* 2000 Nov;1(3):265-81.

- AS4 Fulwyler *et al.*, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," *Meth. Cell Biol.* 33: 613-629 (1990).
- AT4 Gartner, T.K. *et al.*, 1985, "The tetrapeptide analogue of the alpha chain and decapeptide analogue of the gamma chain of fibrinogen bind to different sites on the platelet fibrinogen receptor," *Blood*. 66 Suppl 1: 305a.
- AR5 Gormley, G.J. *et al.*, "A Controlled Pore Glass Bead Assay For The Measurement Of Cytoplasmic And Nuclear Glucocorticoid Receptors," *J Steroid Biochem.* 22:693-8 (1985).
- AS5 Hegen, M. *et al.*, 1993, "Enzymatic activity of CD26 (dipeptidylpeptidase IV) is not required for its signalling function in T cells," *Immunobiology* 189: 483-493.
- AT5 Hoffmann, T. *et al.* 1993, "Dipeptidyl peptidase IV (CD 26) and aminopeptidase N (CD 13) catalyzed hydrolysis of cytokines and peptides with N-terminal cytokine sequences," *FEBS Letters*. 336: 61-64.
- AR6 Hohn, P.A. *et al.*, 1989, "Genomic organization and chromosomal localization of the human cathepsin G gene," *J. Biol. Chem.* 264: 13412-13419.
- AS6 Horan *et al.*, "Fluid Phase Particle Fluorescence Analysis: Rheumatoid Factor Specificity Evaluated by Laser Flow Cytophotometry," *Immunoassays in the Clinical Laboratory*, 185-189 (Liss 1979).
- AT6 Horstmann, B.J. *et al.*, "Rate-Limiting Mass Transfer In Immunosorbents: Characterisation Of The Adsorption Of Paraquat-Protein Conjugates To Anti-Paraquat Sepharose 4B," *Bioseparation* 7:145-57 (1998).
- AR7 Jongkind, J.F. *et al.*, 1986, "Detection of acid-b -galactosidase activity in viable human fibroblasts by flow cytometry," *Cytometry* 7:463-466.
- AS7 Kankaanranta, H. *et al.*, 1994, " Effects of non-steroidal anti-inflammatory drugs on polymorphonuclear leukocyte functions in vitro: focus on fenamates," *Naunyn-Schmiedeberg's Arch Pharmacol.* 350:685-691.
- AT7 Kohen, E. *et al.*, 1993, "An in situ study of beta-glucosidase activity in normal and gaucher fibroblasts with fluorogenic probes," *Cell Biochem. and Function.* 11:167-177.
- AR8 Kojima, K. *et al.*, 1979, "A new and highly sensitive fluorescence assay for collagenase-like peptidase activity," *Anal. Biochem.* 100: 43-50.
- AS8 Leytus, S.P. *et al.*, "New class of sensitive and selective fluorogenic substrates for serine proteases," *Biochem. J.* 215:253-260 (1983).

- AT8 Li, C.Y. *et al.*, 1970, "Acid phosphatase isoenzyme in human leukocytes in normal and pathologic conditions," *J. Histochem. Cytochem.* 18:473-481.
- AR9 Lindmo *et al.*, "Immunometric Assay Using Mixtures of Two Particle Types of Different Affinity," *J. Immunol. Meth.* 126: 183-189 (1990).
- AS9 McDonald, J.A. *et al.*, 1980, "Degradation of fibronectin by human leukocyte elastase," *J. Biol. Chem.* 255: 8848-8858.
- AT9 McHugh, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes," *Methods in Cell Biology* 42, Part B (Academic Press, 1994).
- AR10 McHugh *et al.*, "Microsphere-Based Fluorescence Immunoassays using Flow Cytometry Instrumentation", "Clinical Flow Cytometry, Bauer, K. D., *et al.*, eds. (Baltimore, Maryland, USA: Williams and Williams, 1993), pp. 535-544.
- AS10 Mentlein, R. *et al.*, H. R., "Influence of Pregnancy on Dipeptidyl Peptidase IV Activity (CD26 Leukocyte Differentiation Antigen) of Circulating Lymphocytes", *Eur. J. Clin. Chem. Clin. Biochem.*, 29, 477-480 (1991).
- AT10 Park, M.K. *et al.*, "A Latex Bead-Based Flow Cytometric Immunoassay Capable Of Simultaneous Typing Of Multiple Pneumococcal Serotypes (Multibead Assay)," *Clin Diagn Lab Immunol.* 7:486-9 (2000).
- AR11 Rotman, B. *et al.*, 1963, "Fluorogenic substrates for b -D-galactosidases and phosphatases derived from fluorescein (3,6-dihydroxyfluoran) and its monomethyl ether," *Proc. Nat. Acad. Sci. USA* 50:1-6.
- AS11 Royer, G. *et al.*, "Immobilized Derivatives of Leucine Aminopeptidase and Aminopeptidase M," *J. Biol. Chem.* 248(5), 1807-1812 (1973).
- AT11 Ruiz, P. *et al.*, 1996, "Cytofluorographic evidence that thymocyte dipeptidyl peptidase IV (CD26) activity is altered with stage of ontogeny and apoptotic status," *Cytometry.* 23: 322-329.
- AR12 Sanderink, G.J. *et al.*, 1988, "Human Aminopeptidases: A Review of the Literature. *J. Clin. Chem. Clin. Biochem.* 26: 795-807.
- AS12 Sato, H. *et al.*, "Effect Of Pore Size Of Porous Bead Carriers Immobilizing Antibody On IgE Absorption," *J Biomed Mater Res.* 20:853-8 (1986).
- AT12 Schmidt, D.E., Jr. *et al.*, "An Advanced Solid Support For Immunoassays And Other Affinity Applications," *Biotechniques* 14:1020-1025 (1993).

- AR13 Schon, E. *et al.*, "The role of dipeptidyl peptidase IV in human T lymphocyte activation. Inhibitors and antibodies against dipeptidyl peptidase IV suppress lymphocyte proliferation and immunoglobulin synthesis in vitro," *Eur. J. Immunol.* 1987 Dec;17(12):1821-6.
- AS13 Stein, R.L. *et al.* 1987, "Catalysis by human leukocyte elastase: Mechanistic insights into specificity requirements," *Biochem.* 26:1301-1305.
- AT13 Stein, R.L. *et al.* 1987, "Catalysis by human leukocyte elastase: Proton inventory as a mechanistic probe," *Biochem.* 26:1305-1314.
- AR14 Tanaka, T. *et al.*, 1993, "The costimulatory activity of the CD26 antigen requires dipeptidyl peptidase IV enzymatic activity," *Proc. Natl. Acad. Sci. USA.* 90: 4586-4590.
- AS14 Thiele, D.L. *et al.*, 1990, "Mechanism of L-leucyl-L-leucine methyl ester-mediated killing of cytotoxic lymphocytes: Dependence on a lysosomal thiol protease, dipeptidyl peptidase I, that is enriched in these cells," *Proc. Natl. Acad. Sci. USA.* 87: 83-87.
- AT14 Vignali, D.A.A., "Multiplexed Particle-Based Flow Cytometric Assays," *J. Immunol. Meth.* 243:243-255 (2000).
- AR15 Vlieger, A.M., *et al.*, *Analytical Biochemistry* 205:1-7 (1992).
- AS15 Weiss, S.J. 1989, "Tissue destruction by neutrophils," *N. Eng. J. Med.* 320: 365-376.
- AT15 Whitlock, C.A., *et al.*, 1987. "Bone marrow stromal cell lines with lymphopoietic activity express high levels of a pre-B neoplasia-associated molecule," *Cell* 48: 1009-1021.
- AR16 Wilson *et al.*, "A New Microsphere-Based Immunofluorescence Assay Using Flow Cytometry," *J. Immunol. Meth.* 107: 225-230 (1988).
- AS16 Woessner, J.F. Jr., 1991, "Matrix metalloproteinases and their inhibitors in connective tissue remodeling," *FASEB J.* 5: 2145-2154.
- AT17 Wu, Q. *et al.*, 1991. "Aminopeptidase A activity of the murine B-lymphocyte differentiation antigen BP-1/6C3," *Proc. Natl. Acad. Sci, USA.* 88: 676-680.

*"Methods and Reagents for Conducting
Multiplexed Assays Of Multiple Analytes"*
Inventor: Michael Bell
Information Disclosure Statement

Atty Dkt. No.: **2030-045**
Page 6

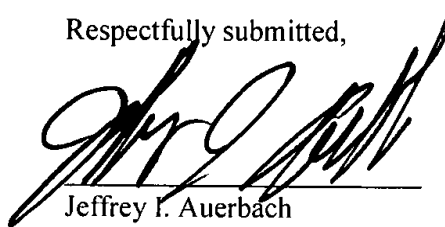
The Examiner is requested to contact the undersigned immediately in the event that any cited document is missing in order that a replacement copy can be provided.

Date:

1/9/2002

Liniak, Berenato, Longacre & White, LLC
6550 Rock Spring Drive, Suite 240
Bethesda, MD 20817

Respectfully submitted,



Jeffrey I. Auerbach
Registration No. 32,680
Attorney for Assignee

PTO 1449		Page 1 of 9	
INFORMATION DISCLOSURE STATEMENT		Atty Dkt: 2030-045	Serial No. To be Accorded
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes		Applicant: Michael Bell	
		Filing Date: Herewith	Group

U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA1	4,185,084	1/22/80	Mochida, <i>et al.</i>	424	1	10/3/77
	AB1	4,243,749	1/6/81	Sadeh, <i>et al.</i>	435	7	3/16/78
	AC1	4,313,734	2/2/82	Leuversing	23	230	7/13/79
	AD1	4,373,932	2/15/83	Gribnau, <i>et al.</i>	436	501	1/2/81
	AE1	4,401,764	8/30/83	Smith	436	500	2/2/81

FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
	AL1	EP 177,191	11/22/90	EUROPEAN	G01N	33/537	NO
	AM1	GB 2,084,317	4/7/82	UNITED KINGDOM	G01N	33/54	NO
	AN1	WO9926067A1	5/27/99	PCT	G01N	33/543	No

OTHERS, including Author, Title, Date, Pertinent Pages, etc.		
	AR1	Alberts, B. <i>et al.</i> , Molecular Biology of the Cell, 2nd Edition. Garland Publishing, Inc. New York, pg 704.
	AS1	Bass, D.A. <i>et al.</i> "Flow cytometric studies of oxidative product formation by neutrophils: a graded response to membrane stimulation." <i>J. Immunol.</i> 130: 1910-1917.
	AT1	Bishop, J.E. <i>et al.</i> , "A Flow Cytometric Immunoassay For Beta2-Microglobulin In Whole Blood," <i>J Immunol. Meth.</i> 210:79-87 (1997).
	AR2	Bode, W. <i>et al.</i> , 1989, "Human leukocyte and porcine pancreatic elastase: X-ray crystal structures, mechanism, substrate specificity and mechanism-based inhibitors," <i>Biochem.</i> 28: 1951-1963.
	AS2	Chen, R. <i>et al.</i> , "Simultaneous Quantification of Six Human Cytokines in a Single Sample Using Microparticle-based Flow Cytometric Technology," <i>Clin Chem.</i> 45:1693-1694 (1999).

Examiner:	Date Considered
-----------	-----------------

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.
--

JCE28 U.S. PTO 10/071395



PTO 1449 INFORMATION DISCLOSURE STATEMENT				Page 2 of 9			
				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA2	4,661,444	4/28/87	Li	435	7	3/29/84
	AB2	4,746,631	5/24/88	Clagett	436	518	5/9/85
	AC2	4,810,096	3/7/89	Russell, <i>et al.</i>	356	436	4/8/87
	AD2	5,198,670	3/30/93	VanCauter, <i>et al.</i>	250	328	9/29/89
	AE2	5,238,108	8/24/93	Velezis, <i>et al.</i>	206	315.1	8/25/92
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT2	Coates, P.M. <i>et al.</i> , 1975, "A preliminary genetic interpretation of the esterase isozymes of human tissues," <i>Ann. Hum. Genet. Lond.</i> 39: 1-20.					
	AR3	Crockard, A. <i>et al.</i> , 1982, "Cytochemistry of acid hydrolases in chronic B- and T-cell leukemias," <i>Am. J. Clin. Pathol.</i> 78:437-444.					
	AS3	Ferrer-Lopez, P. <i>et al.</i> , "Heparin Inhibits Neutrophil-Induced Platelet Activation Via Cathepsin", <i>J. Lab Clin. Med.</i> 119(3), 231-239 (1992).					
	AT3	Fleischer, B., 1994, "CD26: a surface protease involved in T-cell activation," <i>Immunol. Today.</i> 15: 180-184.					
	AR4	Fowler A., <i>et al.</i> , "A multi-modality assay platform for ultra-high throughput screening," <i>Curr. Pharm. Biotechnol.</i> 2000 Nov;1(3):265-81.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 3 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
	AA3	5,306,468	4/26/94	Anderson, <i>et al.</i>	422	101	7/19/91
	AB3	5,310,687	5/10/94	Bard, <i>et al.</i>	436	518	11/4/91
	AC3	5,501,985	3/26/96	Baugher, <i>et al.</i>	436	518	4/21/94
	AD3	5,563,036	10/8/96	Peterson, <i>et al.</i>	435	6	4/29/94
	AE3	5,627,080	5/6/97	Cheng, <i>et al.</i>	436	534	7/29/94
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS4	Fulwyler <i>et al.</i> , "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes, " <i>Meth. Cell Biol.</i> 33: 613-629 (1990).					
	AT4	Gartner, T.K. <i>et al.</i> , 1985, "The tetrapeptide analogue of the alpha chain and decapeptide analogue of the gamma chain of fibrinogen bind to different sites on the platelet fibrinogen receptor," <i>Blood.</i> 66 Suppl 1: 305a.					
	AR5	Gormley, G.J. <i>et al.</i> , "A Controlled Pore Glass Bead Assay For The Measurement Of Cytoplasmic And Nuclear Glucocorticoid Receptors," <i>J Steroid Biochem.</i> 22:693-8 (1985).					
	AS5	Hegen, M. <i>et al.</i> , 1993, "Enzymatic activity of CD26 (dipeptidylpeptidase IV) is not required for its signalling function in T cells," <i>Immunobiology</i> 189: 483-493.					
	AT5	Hoffmann, T. <i>et al.</i> 1993, "Dipeptidyl peptidase IV (CD 26) and aminopeptidase N (CD 13) catalyzed hydrolysis of cytokines and peptides with N-terminal cytokine sequences," <i>FEBS Letters.</i> 336: 61-64.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 4 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
	AA4	5,633,141	5/27/97	Lee, <i>et al.</i>	435	7.2	4/7/95
	AB4	5,648,213	7/15/97	Reddy, <i>et al.</i>	435	6	8/30/94
	AC4	5,679,309	10/21/97	Bell	422	67	12/14/95
	AD4	5,679,525	10/21/97	Peterson, <i>et al.</i>	435	6	7/17/96
	AE4	5,691,147	11/25/97	Draetta, <i>et al.</i>	435	7.1	6/2/94
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AR6	Hohn, P.A. <i>et al.</i> , 1989, "Genomic organization and chromosomal localization of the human cathepsin G gene," <i>J. Biol. Chem.</i> 264: 13412-13419.					
	AS6	Horan <i>et al.</i> , "Fluid Phase Particle Fluorescence Analysis: Rheumatoid Factor Specificity Evaluated by Laser Flow Cytophotometry," "Immunoassays in the Clinical Laboratory, 185-189 (Liss 1979).					
	AT6	Horstmann, B.J. <i>et al.</i> , "Rate-Limiting Mass Transfer In Immunosorbents: Characterisation Of The Adsorption Of Paraquat-Protein Conjugates To Anti-Paraquat Sepharose 4B," <i>Bioseparation</i> 7:145-57 (1998).					
	AR7	Jongkind, J.F. <i>et al.</i> , 1986, "Detection of acid-b -galactosidase activity in viable human fibroblasts by flow cytometry," <i>Cytometry</i> 7:463-466.					
	AS7	Kankaanranta, H. <i>et al.</i> , 1994, " Effects of non-steroidal anti-inflammatory drugs on polymorphonuclear leukocyte functions in vitro: focus on fenamates," <i>Naunyn-Schmiedeberg's Arch Pharmacol.</i> 350:685-691.					
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449 INFORMATION DISCLOSURE STATEMENT				Page 5 of 9			
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Atty Dkt: 2030-045		Serial No. To be Accorded	
				Applicant: Michael Bell		Group	
				Filing Date: Herewith			
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA5	5,698,411	12/16/97	Lucas, <i>et al.</i>	435	29	5/18/95
	AB5	5,747,352	5/5/98	Yan, <i>et al.</i>	436	533	5/23/94
	AC5	5,754,229	5/19/98	Elabd	348	319	11/14/95
	AD5	5,772,926	6/30/98	Akhavan-Tafti	252	700	5/13/97
	AE5	5,811,526	9/22/98	Davidson	530	391.3	5/23/95
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT7	Kohen, E. <i>et al.</i> , 1993, "An in situ study of beta-glucosidase activity in normal and gaucher fibroblasts with fluorogenic probes," <i>Cell Biochem. and Function.</i> 11:167-177.					
	AR8	Kojima, K. <i>et al.</i> , 1979, "A new and highly sensitive fluorescence assay for collagenase-like peptidase activity," <i>Anal. Biochem.</i> 100: 43-50.					
	AS8	Leytus, S.P. <i>et al.</i> , "New class of sensitive and selective fluorogenic substrates for serine proteases," <i>Biochem. J.</i> 215:253-260 (1983).					
	AT8	Li, C.Y. <i>et al.</i> , 1970, "Acid phosphatase isoenzyme in human leukocytes in normal and pathologic conditions," <i>J. Histochem. Cytochem.</i> 18:473-481.					
	AR9	Lindmo <i>et al.</i> , "Immunometric Assay Using Mixtures of Two Particle Types of Different Affinity," <i>J. Immunol. Meth.</i> 126: 183-189 (1990).					
	AS9	McDonald, J.A. <i>et al.</i> , 1980, "Degradation of fibronectin by human leukocyte elastase," <i>J. Biol. Chem.</i> 255: 8848-8858.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 6 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA6	5,851,778	12/22/98	Oh, <i>et al.</i>	435	7.9	4/2/97
	AB6	5,965,736	10/21/99	Akhavan-Tafti	548	110	12/9/98
	AC6	5,976,822	11/2/99	Landrum, <i>et al.</i>	435	23	8/20/97
	AD6	6,002,003	12/14/99	Shen <i>et al.</i>	544	232	4/14/98
	AE6	6,045,727	4/4/00	Akhavan-Tafti, <i>et al.</i>	252	700	1/15/97
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT9	McHugh, "Flow Microsphere Immunoassay for the Quantitative and Simultaneous Detection of Multiple Soluble Analytes, "Methods in Cell Biology 42, Part B (Academic Press, 1994).					
	AR10	McHugh <i>et al.</i> , "Microsphere-Based Fluorescence Immunoassays using Flow Cytometry Instrumentation", "Clinical Flow Cytometry, Bauer, K. D., <i>et al.</i> , eds. (Baltimore, Maryland, USA: Williams and Williams, 1993), pp. 535-544.					
	AS10	Mentlein, R. <i>et al.</i> , H. R., "Influence of Pregnancy on Dipeptidyl Peptidase IV Activity (CD26 Leukocyte Differentiation Antigen) of Circulating Lymphocytes", <i>Eur. J. Clin. Chem. Clin. Biochem.</i> , 29, 477-480 (1991).					
	AT10	Park, M.K. <i>et al.</i> , "A Latex Bead-Based Flow Cytometric Immunoassay Capable Of Simultaneous Typing Of Multiple Pneumococcal Serotypes (Multibead Assay)," <i>Clin Diagn Lab Immunol.</i> 7:486-9 (2000).					
	AR11	Rotman, B. <i>et al.</i> , 1963, "Fluorogenic substrates for b -D-galactosidases and phosphatases derived from fluorescein (3,6-dihydroxyfluoran) and its monomethyl ether," <i>Proc. Nat. Acad. Sci. USA</i> 50:1-6.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449 INFORMATION DISCLOSURE STATEMENT				Page 7 of 9			
				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA7	6,045,991	4/4/00	Akhavan-Tafti	435	4	5/3/99
	AB7	6,090,571	7/18/00	Akhavan-Tafti, <i>et al.</i>	435	21	7/21/99
	AC7	6,110,630	8/29/00	Reddy <i>et al.</i>	430	93	6/18/98
	AD7	6,139,782	10/31/00	Akhavan-Tafti, <i>et al.</i>	252	700	7/21/99
	AE7	6,165,796	12/26/00	Bell	436	74	11/26/97
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AS11	Royer, G. <i>et al.</i> , "Immobilized Derivatives of Leucine Aminopeptidase and Aminopeptidase M," <i>J. Biol. Chem.</i> 248(5), 1807-1812 (1973).					
	AT11	Ruiz, P. <i>et al.</i> , 1996, "Cytofluorographic evidence that thymocyte dipeptidyl peptidase IV (CD26) activity is altered with stage of ontogeny and apoptotic status," <i>Cytometry</i> . 23: 322-329.					
	AR12	Sanderink, G.J. <i>et al.</i> , 1988, "Human Aminopeptidases: A Review of the Literature. <i>J. Clin. Chem. Clin. Biochem.</i> 26: 795-807.					
	AS12	Sato, H. <i>et al.</i> , "Effect Of Pore Size Of Porous Bead Carriers Immobilizing Antibody On IgE Absorption," <i>J Biomed Mater Res.</i> 20:853-8 (1986).					
	AT12	Schmidt, D.E., Jr. <i>et al.</i> , "An Advanced Solid Support For Immunoassays And Other Affinity Applications," <i>Biotechniques</i> 14:1020-1025 (1993).					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 8 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub- Class	Filing Date
	AA8	6,177,958	1/23/01	Anderson	348	362	3/11/98
	AB8	6,212,291	4/3/01	Wang, <i>et al.</i>	382	132	1/29/98
	AC8	6,218,137	4/17/01	Akhavan-Tafti, <i>et al.</i>	435	21	3/31/00
	AD8	6,270,695	8/701	Akhavan-Tafti, <i>et al.</i>	252	700	7/21/99
	AE8	6,281,021	8/28/01	Egger, <i>et al.</i>	436	544	6/18/99
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub- Class	Trans- lation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AR13	Schon, E. <i>et al.</i> , "The role of dipeptidyl peptidase IV in human T lymphocyte activation. Inhibitors and antibodies against dipeptidyl peptidase IV suppress lymphocyte proliferation and immunoglobulin synthesis in vitro," <i>Eur. J. Immunol.</i> 1987 Dec;17(12):1821-6.					
	AS13	Stein, R.L. <i>et al.</i> 1987, "Catalysis by human leukocyte elastase: Mechanistic insights into specificity requirements," <i>Biochem.</i> 26:1301-1305.					
	AT13	Stein, R.L. <i>et al.</i> 1987, "Catalysis by human leukocyte elastase: Proton inventory as a mechanistic probe," <i>Biochem.</i> 26:1305-1314.					
	AR14	Tanaka, T. <i>et al.</i> , 1993, "The costimulatory activity of the CD26 antigen requires dipeptidyl peptidase IV enzymatic activity," <i>Proc. Natl. Acad. Sci. USA.</i> 90: 4586-4590.					
	AS14	Thiele, D.L. <i>et al.</i> , 1990, "Mechanism of L-leucyl-L-leucine methyl ester-mediated killing of cytotoxic lymphocytes: Dependence on a lysosomal thiol protease, dipeptidyl peptidase I, that is enriched in these cells," <i>Proc. Natl. Acad. Sci. USA.</i> 87: 83-87.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							

PTO 1449				Page 9 of 9			
INFORMATION DISCLOSURE STATEMENT				Atty Dkt: 2030-045		Serial No. To be Accorded	
Title: Methods and Reagents for Conducting Multiplexed Assays Of Multiple Analytes				Applicant: Michael Bell			
				Filing Date: Herewith		Group	
U.S. PATENT DOCUMENTS							
Examiner's Initial		Patent Number	Date	Name	Class	Sub-Class	Filing Date
	AA9	6,319,668	11/20/01	Nova <i>et al.</i>	435	6	6/24/96
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
OTHERS, including Author, Title, Date, Pertinent Pages, etc.							
	AT14	Vignali, D.A.A., "Multiplexed Particle-Based Flow Cytometric Assays," J. Immunol. Meth. 243:243-255 (2000).					
	AR15	Vlieger, A.M., <i>et al.</i> , Analytical Biochemistry 205:1-7 (1992).					
	AS15	Weiss. S.J. 1989, "Tissue destruction by neutrophils," <i>N. Eng. J. Med.</i> 320: 365-376.					
	AT15	Whitlock, C.A., <i>et al.</i> , 1987. "Bone marrow stromal cell lines with lymphopoietic activity express high levels of a pre-B neoplasia-associated molecule," <i>Cell</i> 48: 1009-1021.					
	AR16	Wilson <i>et al.</i> , "A New Microsphere-Based Immunofluorescence Assay Using Flow Cytometry," J. Immunol. Meth. 107: 225-230 (1988).					
	AS16	Woessner, J.F. Jr., 1991, "Matrix metalloproteinases and their inhibitors in connective tissue remodeling," <i>FASEB J.</i> 5: 2145-2154.					
	AT17	Wu, Q. <i>et al.</i> , 1991. "Aminopeptidase A activity of the murine B-lymphocyte differentiation antigen BP-1/6C3," <i>Proc. Natl. Acad. Sci, USA.</i> 88: 676-680.					
Examiner:				Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.							